

ABSTRACT OF THE DISCLOSURE

A portable power planer for planing the top surface of a workpiece. The portable power planer includes a carriage assembly and a carriage elevation mechanism for translating the carriage assembly. The carriage elevation mechanism includes a plurality of threaded guide posts and an elevation mechanism that employs a plurality of threaded structures that are threadably engaged to the guide posts. A locking mechanism is also provided to inhibit movement of the carriage assembly along the guide posts.